

1050000, 111
BABAYANTS, R.A., professor; BATMANOVA, O.Ya., kand.med.nauk; VOLKOVA, N.V.,
kand.med.nauk; KIYAMOV, N.V., kand.med.nauk; LYKOVA, A.S., kand.
med.nauk; MASOL'NIKOVA, T.K., kand.med.nauk; RUDEYKO, V.A., kand.
med.nauk; TOMILINA, K.A., kand.med.nauk; SHISTOVSKIY, S.P., kand.
med.nauk; KIRPICHEV, M.P., sanitarnyy vrach; MAKHINENKO, A.I.,
sanitarnyy vrach; OSHCHEPKOV, A.A., sanitarnyy vrach; PETROV, A.M.,
sanitarnyy vrach; ROSHAL', M.A., sanitarnyy vrach; SHEPELIN, O.P.,
sanitarnyy vrach

Sewage irrigation of fields and sanitation of natural waters. Gig.
i san. 22 no.9:64-67 S '57. (MIRA 10:12)

1. Zaveduyushchiy kafedroy Obshchey Gigiyeny Leningradskogo
sanitarno-gigiyenicheskogo meditsinskogo instituta, chlen-
korrespondent AMN SSSR (for Babayants)

(WATER SUPPLY WATER POLLUTION

sanitary protection of water reservoirs in use of sewage
water for field irrigation)

(IRRIGATION

same)

~~ROSHAL', M.A.~~

Effect of fluorine on the body. Zdrav. Belor. 5 no.1:45-49 Ja '59.

(MIRA 12:7)

1. Iz kafedry obshchey gigiyeny Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.kafedroy - chlen-korrespondent AMN SSSR, prof. R.A. Babayants)

(FLUORINE--PHYSIOLOGICAL EFFECT)

ROSHAL', M.A.

Hygienic evaluation of fluorine in drinking water. Trudy LSGMI
no. 58:158-180 '60. (MIRA 14:11)
(WATER-FLUORIDATION)

ROSHAL', M.A.

Influence of fluorine on the calcium content of blood serum and
the thyroid gland. Trudy LSGMI no. 5 214-220 '60. (MIRA 14:11)
(CALCIUM IN THE BODY) (FLUORINE—PHYSIOLOGICAL EFFECT)
(THYROID GLAND)

ROSHAL', M. I., inzh.

Using electronic frequency converters in precision measurement of
rotation speeds in steady and transition processes. [Trudy] LMZ
no. 6:436-443 '60. (MIRA 13:12)
(Speedometers) (Electronic instruments)

PHASE I BOOK EXPLOITATION SOV/NOI7

Isledovaniya sverkhzvukovoy i gazykh turbin i osovykh kompress-
sornykh (Investigations of the components of steam and gas turbines
and axial-flow compressors) Moscow, Mashiz, 1960. 488 p. (Series:
Isti Sborniki, No. 6) Extra slip inserted. 3,200 copies printed.

Sponsored Agency: NAZG. Izdatel'skiy ekonomicheskoy administratsii
Mashinostroyeniya.

Ed.: A.S. Zil'berman, Candidate of Technical Sciences; Zds. of
Publishing House: V.P. Vasil'yeva and N.Z. Stepanovskiy; Tech.
Ed.: O.V. Spasenko, Publishing Ed. for literature on the Design
and Operation of Machines (Mashinostroyeniye, Mashiz); P.I. Petli-
kov, Engineer; Editorial Board of Series: A.S. Zil'berman, Can-
didate of Technical Sciences; R.M. Koron, Engineer; V.K. Nemov,
Candidate of Technical Sciences; and I.N. Solov'yev, Engineer.

Purpose: This collection of articles is intended for engineering
and technical personnel of turbine-construction plants and
related organizations and may also be used by engineers and tech-
nicians at power plants employing steam and gas turbines.

Contents: The collection contains 43 reports which present the
main results of investigations of the working process
and the design of the components of the operation of turbine and
axial-flow compressors. Also described are test
setup, design and operation of the test rig, and the experi-
mental results. The following members of the engineering personnel
and turbine laboratories took part in the work: D.N. Reshetko,
V.I. Zolotarev, N.D. Yegorov, and inventors N.K. Mityayev, and
I.I. Orlovskiy. The second part of the collection consists of
reports which illustrate that part of the work of the Laboratory
(General Laboratory of the Design Office for Steam and Gas Tur-
bines) in the following members of the vibration laboratory
personnel: V.I. Zolotarev, V.D. Kovalev, G.M. Lyulin,
V.I. Melentyev, V.I. Melentyev, and V.P. Mityayev. The third part
is concerned with the calculation and experimental study of the
state of stress and the deformations of turbine components. This
work was performed by the Turbine-Component Laboratory. Person-
nel: V.I. Zolotarev, V.D. Kovalev, G.M. Lyulin, and V.P. Mityayev.
References are given at the end of each article.

Investigations of the Components (Cont.)

State of Stress and Deformation of Rotational
Components of Turbine-Component Laboratory. Person-
nel: V.I. Zolotarev, V.D. Kovalev, G.M. Lyulin, and V.P. Mityayev.

State of Stress and Deformation of Rotational
Components of Turbine-Component Laboratory. Person-
nel: V.I. Zolotarev, V.D. Kovalev, G.M. Lyulin, and V.P. Mityayev.

State of Stress and Deformation of Rotational
Components of Turbine-Component Laboratory. Person-
nel: V.I. Zolotarev, V.D. Kovalev, G.M. Lyulin, and V.P. Mityayev.

ROSHAL', M.Ye.

State of venous pressure in cerebral injuries in children. Zhur.nevr.
i psikh. Supplement: 5 '57. (MIRA 11:1)

1. Klinika khirurgii detskogo vozrasta (zav. - prof. I.S.Ginzburg)
Azerbaydzhanskogo meditsinskogo instituta.
(BRAIN--WOUNDS AND INJURIES) (HYPERTENSION)

GAYEK, M.I.; ROSHAL', M.Ye.

Early surgical intervention in paraphimosis. Khirurgiia no.9:78-79 S '53.
(MLRA 6:11)

1. Iz kliniki detskoy khirurgii (zavednyushchiy - zasluzhemnyy deyatel' nauki
professor I.S.Ginzburg) Azerbaydzhanskogo meditsinskogo instituta (direktor -
professor B.A.Ryvazov). (Poniz)

ROSHAL', M.Ye., kand. med. nauk

Use of a barium enema in the diagnosis and treatment of
invaginations in early childhood. Azerb. med. zhur. no.6:
23-28 Je '62. (MIRA 17:8)

1. Iz khirurgicheskogo otdeleniya (rukovoditel' - akademik
AN AzSSR M.A. Topchibashev) klinicheskoy bol'nitsy No.2 imeni
Shaumyana (glavnyy vrach - Sh.S. Kasumov).

ROSHAL', M.Ye., kand.med.nauk; ALIYEV, K.G.; BOGDANOVA, V.I.; DUNAYEV, R.,
student

Phlegmon of the cecum associated with a tumor of the hepatic
angle of the large intestine. Khirurgiia 37 no.3:110-111 M
'61. (MIRA 14:3)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. M.A.
Topchibashev) Azerbaydzhanskogo meditsinskogo instituta i
khirurgicheskogo otdeleniya bol'nitsy imeni Shaumyana
(glavnyy vrach Sh.S. Kasumov).

(COLON (ANATOMY)—TUMORS)

(CECUM—~~DISEASES~~)

(PHLEGMON)

FATEYEVA, Ye.M.; ROSHAL', N.I.

Use of royal jelly preparation in chronic digestive disorders
in children. Inform.biul.o mat.moloch. no.3:43-49 '62.

(MIRA 16:2)

1. Klinika patologii rannego vozrasta (zav. prof. I.B. TSimbler)
Instituta pediatrii Akademii meditsinskikh nauk SSSR (dir. -
dotsept M.Ya. Studenikin).

(ROYAL JELLY--THERAPEUTIC USE) (DIGESTION)

FATEYEVA, Ye. M., kand. med. nauk; ROSHAL', N. I.

Use of a preparation of royal jelly on children with chronic nutritional disorders. *Pediatrics* no.4:15-19 '62.

(MIRA 15:4)

1. Iz kliniki patologii rannego vozrasta (zav. - prof. I. V. TSimblev) Instituta pediatrii AMN SSSR (dir. - dotsent M. Ya. Studenikin)

(ROYAL JELLY)

(DEFICIENCY DISEASES)

FATEYEVA, Ye.M.; TOTCHENKO, V.K.; ROSHAL', N.I.; TROITSKAYA, N.A.

Differential diagnosis and treatment of some forms of rickets-like diseases in children. *Pediatrics* 42 no.9:69-74 S'63.

(MIRA 17:5)

1. Iz kliniki rannogo vozrasta (zaveduyushchiy - prof. I.V. TSimbley)
biokhimicheskoy laboratorii (zaveduyushchiy - prof. A.A. Titayev)
Instituta pediatrii (direktor - dotsent M.Ya. Studenikin) AMN SSSR.

YAKOVLEVA, A.A.; ROSHAL', N.I.

Wissler-Fanconi syndrome and its relation to infectious nonspecific (rheumatoid) polyarthrititis. Sov. med. 27 no.2:79-86 F '64.

(MIRA 17:10)

1. Klinika starshego detskogo vozrasta (zav. - prof. O.D. Sokolova-Ponomareva) i I klinika rannego detskogo vozrasta (zav. - starshiy nauchnyy sotrudnik T.S. Sokolova) Instituta pediatrii (dir. - dotsent M.Ya. Studenikin) AMN SSSR, Moskva.

VINOGRADOV, K.V.; ASADULLAYEVA, N.N. AGAYEV, F.T.; DADASHZADE, A.M.;
YUSUFOVA, Kh.G.; ROSHAL', S.Ye.

Some features of the gas condensate mixture from well no. 9 of the
Zyrya area. Azerb. neft. khoz. 39 no.1:27-29 Ja '60. (MIRA 14:8)
(Apshehon Peninsula--Condensate oil wells)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445330012-8

ROSHAL, S.E.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445330012-8"

25(3)

SOV/28-59-3-9/25

AUTHORS: Mal'kova, Ye.M., Engineer, and Roshal', S.S., Engineer

TITLE: From the Work Experience of a Plant BNS (Iz opyta raboty zavodskogo BNS)

PERIODICAL: Standartizatsiya, 1959, Nr 3, p 33 (USSR)

ABSTRACT: The Bureau of Standardization and Normalization (BNS) of the authors' plant has issued "ogranichtel'nyye normali", i.e. specifications indicating the authorized parts, materials, tools, threads, diameters, spline joints, modules, bearings, etc. for the designers, to avoid the waste of time in checking what is permissible. The BNS also watches over the application of tools to prevent unnecessary tool making. It has composed a card index for previously made patterns and introduced special cards with drafts of frequently-used castings (hand wheels, flanges, etc) with main dimensions and drawing numbers indicated, which helps the designers find existing suitable

Card 1/2

SOV/28-59-3-9/25

From the Work Experience of a Plant BNS

patterns for castings. The use of cast parts produced earlier is being watched with particular care. Cooperation has been established with the neighbour Minskiy stankozavod im. Kirova (Minsk Machine Tool Plant imeni Kirov) for making tools and parts, to eliminate costly manufacture of special tools if parts can be made at the other plant where the tools are available. This cooperation cuts the production costs.

ASSOCIATION: Minskiy stankozavod im. Voroshilova (Minsk Machine Tool Plant imeni Voroshilov)

Card 2/2

VINOGRADOV, K.A.; ROSHAL', S.Ye.

Solubility of natural gases in petroleum. Trudy AzNII DN no.3:88-93
'56. (MIRA 11:6)

(Gas, Natural)

~~50~~ ROSHAL, S. YE.

USSR/Chemical Technology. Chemical Products and Their I-14
Application--Treatment of natural gases and
petroleum. Motor fuels. Lubricants.

Abs Jour: Ref Zhur-Khimiya, No 3, 1957, 9278

Author : Roshal, S. Ye. and Vinogradov, K. V.
Inst : Azerbaijan Science Research Institute for Petro-
inst leum Production
Title : The Compressibility of Petroleum

Orig Pub: Tr. Azerb. n.-i. in-ta po dobyche nefti, 1955, No 2,
234-245

Abstract: A curve and formula have been obtained for the
determination of the coefficient of compressibility
of degassed oils as a function of the temperature
and the specific gravity of the oils. The devi-
ation of the compressibility coefficient of mix-
tures from the additive law has been confirmed
experimentally. A curve and formula have been
obtained for the determination of the compressi-
bility coefficient of gas-saturated oils.

Card 1/1

ROSHAL', Semen

KHODAZ, N. A.

Bol'shevitskii komissar Semen Roshal' [Semen Roshal', a Bolshevik commissar].
Moskva, Voenmorizdat, 1952. 62 p.

SO: Monthly List of Russian Accessions, Vol. 7 No. 2 May 1954.

VINOGRADOV, K.V.; ROSHAL', S.Ye.

Solubility of natural gases in petroleums. Azerb.neft.khoz.35
no.7:22-24 J1 '56. (MLRA 9:12)
(Solubility) (Petroleum geology)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445330012-8

ROSHAL V.U.

4 2784

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445330012-8"

Inst Org. Chem, AS USSR

VOLKOV, Sergey Ivanovich; KOROLEV, Mikhail Antonovich; ROSHAL', Ya.,
red.; MEDVEDEVA, R., red.; TELEGINA, T., tekhn.red.

[Machine accounting in an enterprise] Mekhanizirovannyi uchet
na predpriatii. Moskva, Gosfinizdat, 1960. 181 p.
(MIRA 13:12)

(Machine accounting)

ROSHAL, Yakov Lazarevich; KNYAZEVA, S.M., redaktor; TOKER, A.M.,
tekhnicheskii redaktor

[Topic index to standard specifications in force concerning
water supply and sewer systems] Tematicheskii ukazatel'
deistvuiushchikh standartov po vodosnabzheniiu i kanalizatsii
Moskva, Gos.izd-v, lit-ry po stroit. i arkhitekture, 1955.104 p.
(Water supply engineering--Standards) (MLRA 8:10)
(Sanitary engineering--Standards)

ROSHAN, N.R.; ROMANOV, V.A.

Precision investment molding. Standartizatsiia 26 no.2:30-32
F '62. (MIRA 15:2)
(Precision casting)

ROSHANSKIY, V.N., GORYUNOV, Yu.V., SHCHUKIN, O.D.

Characteristics of electrical conductivity changes in metal
single crystals subjected to staggered deformation. Dokl. AN
SSSR 105 no.1:80-82 N '55. (MLBA 9:3)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova,
Kafedra kolloidnoy khimii. Predstavleno akademikom P.A.
Rebinderom.

(Metallography) (Metals--Electric properties)

Roshba, E.I.
ROSHBA, E.I.; TOLPYGO, K.B.

Static voltamper characteristics of a shutter layer formed in reverse at the boundaries of electronic and hole recombinations in semiconductors. Zhur.tekh.fiz.25 no.7:1335-1338 J1'55.
(Semiconductors) (MLRA 8:10)

ROSHCHANOVSKIY, B. V.

ROSHCHANOVSKIY, Boris Vladimirovich; SMIRNOV, Nikolay Ivanovich; CHAPSKIY,
O.U., red.; MOLODTSOVA, N.G., tekhn.red.

[Tractor-mounted land improvement machine] Nevesnoi universal'nyi
meliorativnyi agregat. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957.
59 p. (MIRA 11:3)

(Excavating machinery)

ROSHCHANOVSKIY, B. V.

Agricultural Engineering

Universal attachment to tractor S-80 for soil improvement work, developed by the Northern Scientific Research Institute of Hydrotechnology and Melioration. Gidr. 1 mel. 4, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

SMIRNOV, N. I., ROSHCHANOVSKIY, B. V.

Tractors

Universal attachment to tractor L-80 for soil improvement work, developed by the Northern Scientific Research Institute of Hydrotechnology and Melioration. Gidr. i mel 4 no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

SMIRNOV, N. I., ROSHCHANOVSKIY, B. V.

Tractors

Meliorating Unit of the Northern Scientific Research Institute of Hydrotechnology
and Melioration - a universal trailer for tractor S-80, Gidr. i mel. 4 no. 3, 1952

Monthly List of Russian Accessions. Library of Congress, June 1952. Unclassified.

35281
S/716/61/016/000/001/019
D207/D301

(1961, 1962, 1963)

AUTHOR: Roshanovskiy, I. M.

TITLE: Unification of magnetic characteristics in power-frequency alternating magnetic fields

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut elektrotekhniki. Sbornik tradov, v. 18, 1961. Voprosy magnitnykh izmereniy, 5 - 15

SYNOPSIS: The author makes recommendations on the characteristics to be used in magnetic measurements at power frequencies. He analyzes electrical, magnetic and power relationships in a circuit containing a ferromagnetic (steel) sample and a voltage source. He deduces that properties of ferromagnetic materials are best given by $B_{lm} = f(H_{lm})$, $P_{st} = f(B_{lm})$ and $\mu = B_{lm}/H_{lm}$, where B is the magnetic induction, H is the applied magnetic field, P_{st} are the power losses in the ferromagnetic (steel) sample, μ is the complex permeability and the subscripts 'lm' denote the maximum (peak) values of

Card 1/2

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5207/D301

Unification of magnetic ...

the first harmonic. When the normal magnetization curve at power frequencies must be as close as possible to the corresponding curve in constant magnetic fields, the author recommends a 'dynamic' normal magnetization curve $B_{m.d} f(H_{lrm})$, where 'm.d' denotes the peak value of B under conditions of maximum distortion (departure from sinusoidal time dependence of the fields) and 'lrm' denotes the peak value corresponding to the reactive component of the magnetizing current. There are 4 figures and 9 references: 7 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows: W. F. Astbury, Some aspects of the theory of iron testing by wattmeter and bridge methods, J. I. E. E., 95, Part II, 47 (1947); Call and Sims, On the theory and measurements of the magnetic properties of iron, J. I. E. E., 74, 453, (1934).

Page 2/2

BRUSLINSKIY, B.A., inzh.; KOGUT, Ye.Ye., inzh.; KOTOV, V.I., inzh.;
KROTMAN, I.S., inzh.; LIPATOV, V.T., inzh.; ROSHCHEKTAYEV, A.P., inzh.

Registering ultrasonic flaw detector for turbogenerator rotor
shafts. Elektrotehnika 36 no.2:24-26 F '65.

(MIRA 18:4)

USSR/General Problems of Pathology. Tumors

U-4

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 66074

Author : Roshchektayev N.V.

Inst :

Title : On Pathological Changes Appearing in the Hypertrophied Prostate under the Influence of Sinestrol.

Orig Pub : Urologiya, 1956, No 3, 7-12

Abstract : It has been shown that treatment with Sinestrol (a total dose of 1-4 gm.) does not cause a regression in prostatic adenomata but causes specific estrogenic changes in ti which are manifested by intense epithelial proliferation, desquamation and metaplasia of the columnar epithelium into stratified cuboidal epithelium. These changes are most pronounced 1/2 to 2 1/2 months after the cessation of the Sinestrol therapy and disappear after 6 months.

Card : 1/1

ROSHCHEKTAYEV, N.V.

Pathological changes in a hypertrophic prostate caused by synestrol.
Urologiya 21 no.3:7-12 J1-S '56. (MLRA 9:12)

1. Iz urologicheskoy kliniki (zav. - prof. Z.V.Vaynshteyn) Kazakh-
skogo meditsinskogo instituta instituta imeni V.M.Molotova (dir. -
prof. I.S.Kraykin)

(ESTROGENS, inj. eff.

synestrol, causing proliferation in ther. of hypertrophic
prostate)

(PROSTATE HYPERTROPHY, ther.

synestrol, causing proliferation of prostate)

ROSHCHEKTAYEV, N. V.

ROSHCHEKTAYEV, N. V. -- "The Problem of the Surgical Treatment of Hypertrophy of the Prostate Gland." Kazakh State Medical Institute imeni V. M. Molotov. Alma-Ata, 1955. (Dissertation for the Degree of Candidate in Medical Sciences.)

So; Knizhaya Letopis' No 3, 1956

KUROCHKIN, K.T.; BAUM, B.A.; FEDOTOV, G.K.; LIRMAN, A.M.; ROSHCHEKTAYEV, V.I.

Hydrogen in acid steel made from a liquid semifinished product.
Trudy Ural. politekh. inst. no.116:65-75 '61. (MIRA 16:6)
(Steel—Metallurgy) (Steel—Hydrogen content)

L 43891-65 EPF(c)/EWT(m)/EWP(j) Pc-4/Pr-4 RM

ACCESSION NR: AP5010853

UR/0286/65/000/007/0020/0020

AUTHORS: Dykhanov, N. N.; Roshchenko, A. I.

TITLE: A method for obtaining monochlormethylaryls. Class 12, No. 169502 ✓

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 20

TOPIC TAGS: organic material, chemical reaction, monochlormethylaryl, carbon tetrachloride

ABSTRACT: This Author Certificate presents a method for obtaining monochlormethylaryls by chlorinating methylaryls with N-chloramides in a medium of an inert solvent, such as carbon tetrachloride, or in an excess of chlorinating matter. To simplify the process, N-chlorarylsulfamides are used as N-chloramides. The process may be conducted in the presence of benzoyl peroxide.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov, steintillyatsionnykh materialov i osobo chistykh khimicheskikh veshchestv (All-Union Scientific Research Institute of Single Crystals, Scintillating Materials, and Pure Chemical Matter)

Card 1/2

L 43891-65

ACCESSION NR: AP5010853

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SUBMITTED: 18Jul64

ENCL: 00

SUB CODE: 00

NO REF SOV: 000

OTHER: 000

Card 2/2 CC

DYKHANOV, N.N.; ROSHCHENKO, A.I.

Imides of aromatic sulfonic acids. Part 4: Oxidation and reduction of benzenesulfimide derivatives. Zhur.org.khim. 1 no.2:270-272 F '65. (MIRA 18:4)

1. Khar'kovskiy gosudarstvennyy farmatsevticheskiy institut.

ROSHCHENKO, A.I.; DYKHANOV, N.N. [Dykhanov, M.N.]

Synthesis of N-haloarylsulfonimides with predominantly bactericidal properties. Farmatsev.zhur. 19 no.1:15-18 '64.

(MIRA 18:5)

1. Khar'kovskiy farmatsevticheskiy institut.

ROSHCHENKO, L.D.

We are carrying out all assignments "excellently." Transp.
stroil. 9 no.1:12-13 Ja '59. (MIRA 12:2)
(Moscow--Bridge construction)

ACC NR: 71/6029132 SOURCE CODE: UR/004B/66/030/006/1055/1058

AUTHOR: Palatnik, L.S.; Ravlik, A.G.; Roshchenko, B.T.

ORG: Khar'kov Polytechnic Institute im. V.I. Lenin (Khar'kovskiy politekhnicheskii institut)

TITLE: Influence of the structure and phase composition on the coercive force of cobalt films [Report, All-Union Conference on the Physics of Ferro- and Antiferromagnetism held 2-7 July 1965 in Sverdlovsk]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 6, 1966, 1055-1058

TOPIC TAGS: ferromagnetic film, cobalt, magnetic coercive force, annealing, phase composition, crystal orientation, METAL FILM

ABSTRACT: The authors have investigated the coercive force, phase composition, and orientation of 5 to 20 micron thick cobalt films vacuum deposited (10^{-4} mm Hg) from a 99.9% pure melt onto 2000 to 5000 Å thick NaCl films previously deposited on metal plates. The substrates were maintained at temperatures between 300 and 800° C during deposition of the cobalt, and the films were annealed at different temperatures for from 1 to 8 hours. The films were removed from the substrate by dissolving the NaCl, and their phase compositions (relative contents of the cubic and hexagonal modifications) and orientations were determined by an x-ray technique and their coercive forces were obtained from hysteresis loops recorded in 50 Hz fields not exceeding 1.1

Cord 1/2

100-61

ACC NR: AP6029132

Co. The orientation in the films was due practically entirely to growth orientation of the hexagonal crystallites. Both the coercive force and the hexagonal phase content decreased with increasing annealing temperature, the rate of decrease being most rapid at annealing temperatures near 490° C, which is within the range given in the literature for the transition temperature between the cubic and hexagonal phases of cobalt. In unannealed films the hexagonal phase content, the coercive force, and the degree of ordering decreased with increasing temperature of the substrate during deposition. The decrease of the coercive force is ascribed to the combined influence of the decreasing content and orientation of the hexagonal phase. Earlier findings of one of the authors and other collaborators are adduced to explain a small decrease of the coercive force with increasing annealing temperature at annealing temperatures below 480° as a result of coarsening of the block structure. It is concluded that the principal factors determining the coercive force of cobalt films are, in order of importance, the phase composition, the orientation of the hexagonal crystallites, and the dispersity of the structure. Orig. art. has: 2 figures.

SUB CODE: 20 SUBM DATE: 00 ORIG. REF: 009 ☐ OTH REF: 008

Card 2/2 bc

BARYSHNIKOV, I.A., otv. red.; ROSHCHESKIY, M.P., st. nauchn.
sotr., red.; SUDAKOV, N.A., red.; FILATOV, P.V., red.

[Physiological principles of animal electrocardiography]
Fiziologicheskie osnovy elektrokardiografii zhivotnykh.
Moskva, Nauka, 1965. 136 p. (MIRA 18:3)

1. Akademiya nauk SSSR. Komi filial, Syktyvkar. 2. Ka-
fedra klinicheskoy diagnostiki Moskovskoy veterinarnoy
akademii (for Sudakov). 3. Laboratoriya ekologii i fi-
ziologii zhivotnykh Instituta biologii Komi filiala AN
SSSR, Syktyvkar (for Roshchevskiy).

ROSHCHEVSKIY, M.P.

Electrocardiography method with domestic animals. Fiziol. zhur.
41 no.3:427-428 My-Je '55. (MLRA 8:8)

1. Kafedra fiziologii cheloveka i zhivotnykh Ural'skogo Gosu-
darstvennogo universiteta im. A.M. Gor'kogo, Sverdlovsk.
(ELECTROCARDIOGRAPHY,
in animals, technic)

ROSHCHEVSKIY, M.P.; PATRUSHEV, V.I., prof., doktor biolog.nauk, otv. red.;
YEPIMAKOVA, M.Ya., red.; BELYAYEV, S.A., tekhn.red.

[Electrical activity of the heart and electrocardiographic
methods for cattle] Elektricheskaya aktivnost' serdtsa i metody
s"emki elektrokardiogramm u krupnogo rogatogo skota. Sverdlovsk,
Ural'skii nauchno-issl. in-t sel'.khoz., 1958. 77 p. (MIRA 11:12)
(Cattle--Physiology) (Electrocardiography)

ROSHCHEVSKIY, M.P.

Surgical tongs as electrodes in registering electrocardiograms
of animals. Lab. delo 3 no.2:55-56 Mr-Ap '57 (MLRA 10:5)

1. Iz kafedry fiziologii cheloveka i zivotnykh Ural'skogo
gosudarstvennogo universiteta imeni A.M. Gor'kogo, Sverdlovsk.
(SURGICAL INSTRUMENTS AND APPARATUS)
(ELECTROCARDIOGRAPHY)

ROSHCHENVSKIY, M.P.

Measurement of wave dimensions and length of intervals in an
electrocardiogram projected upon the screen through an enlarger.
Fiziol.zhur. 43 no.1:88-89 Ja '57. (MLRA 10:2)

1. Ural'skiy gosudarstvennyy universitet im. A.M.Gor'kogo, kafedra
fiziologii cheloveka i zivotnykh. Sverdlovsk.

(ELECTROCARDIOGRAPHY

measurement of wave dimension in projection of
electrocardiograms on screen)

MASALKIN, N.K. (Perm'); KHOROSHAVIN, B.P. (Chelyabinsk); KESSLER, L.V. (Kurgan); ROSHCHEVSKIY, M.P., kand. biolog. nauk, red.; BERDI-CHEVSKIY, I.M., tekhn. red.---

[Farm management system in Ural Mountain region] Sistema vedeniya sel'skogo khoziaistva zony Urala. Sverdlovsk, 1960. 678 p. (MIRA 14:10)

1. Sverdlovsk. Ural'skiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva.
(Ural Mountain region--Farm management)

ROSHCHIN, A., mayor

Making a map of the local terrain. Voen. znan 34 no.11:16-17 N
'58. (MIRA 12:1)

(Maps, Military)

ROSHCHIN, A., mayor

Learn to orient yourself in a locality. Voen.znan. 74 no.4:18-19 Ap
'58. (MIRA 11:4)

(Orientation)

ROSHCHIN, A.D.

New ostracods from Upper Neogene sediments in the southwest of the
Ukrainian S.S.R. Trudy Od. un. 152 Ser. geol. i geog. nauk no.8:
23-25 '62. (MIRA 17:9)

ROSHCHIN, A.D.

Find of fossil ostrich eggs in the southern part of the Ukraine.
Trudy Od. un. 152 Ser. geol. i geog. nauk no. 8:26-30 '62.
(MIRA 17:9)

3(5)

SOV/21-59-5-19/25

AUTHOR: Roshchin, A.D.

TITLE: The Find of a Fossil Ostrich Egg in the Area of Odessa

PERIODICAL: Dopovidi Akademii nauk Ukrain's'koi, RSR, 1959, Nr 5,
pp 535-537 (USSR)

ABSTRACT: In May 58, an entire empty fossil egg (Fig. 1) of an ostrich was found during the washing off of loose rocks covering Pontian limestones, by a hydromonitor, on the right bank of the Malyy Adzhalyk estuary at the village of Buldyntsy, Odessa oblast', 25 km to the North-East of Odessa. It lay in fine-grained light gray sands of Late Pontian age. This is the fourth find of a fossile ostrich egg in the USSR. The first was found in 1857 at the village of Malinovtsy, Nikolayev oblast' and was described by A. Brandt and V. Natuzius. The second egg was found, according to Ye.A. Gaponov, at the village of Apostolovo, Krivoy Rog oblast'. It has not been described thus far, and is kept in the Palaeontological Museum Odesskogo

Card 1/2

SOV/21-59-5-19/25

The Find of a Fossil Ostrich Egg in the Area of Odessa

gosudarstvennogo universiteta (Odessa State University). The third egg was found at the village of Yur'yevka, Nikolayev oblast', and was described by Professor I.G. Pidoplichko. It is kept in the Zoologicheskii muzey AN UkrSSR (Zoological Museum of the AS UkrSSR) in Kiyev. The geological age of the first two eggs has not been exactly determined. The third egg is from Upper Miocene deposits. The egg described herein was found in Lower Pliocene (Pontian) deposits. There is 1 photo and 3 references, 1 of which is Soviet, 1 French and 1 German.

PRESENTED: By V.G. Kas'yanenko, Member of the AS UkrSSR

SUBMITTED: January 6, 1959

Card 2/2

ZVYAGINTSEV, A.F.; IVANOV, Yu.N.; KAZAKOV, V.E.; STETSENKO, A.M.;
SOLOMOVICH, M.Ya.; KORZH, V.I.; DASHKEVICH, A.A.; Prinimali
uchastiye: LIPTSEN, S.Kh.; RYZHIKOV, A.P.; STAL'NOKRITSKIY,
V.N.; LEVENETS, L.Ye.; MOGILA, V.A.; KOVAL', A.A.; VLASOV, V.F.;
ROSHCHIN, A.G.; RAYKO, V.P.; KORNIYENKO, V.G.; PANTYUSHKIN, N.V.

Investigating the possibility of manufacturing all-rolled
electric locomotive wheels with existing equipment. Kuz.-shtam.
proizv. 5 no.11:11-14 N '63.

(MIRA 17:1)

CHEKHALEV, A.I., inzh.; KOVALENKO, Ye.Ye., kand. tekhn. nauk;
RYABOLIN, N.F., inzh.; STAKHOLETSKIY, N.A., inzh.;
KLYUKIN, A.N., inzh.; KOSENCHIN, A.G., inzh.; MAKAYEVA, T.S.,
inzh.; BOCHERAYEV, V.A., inzh.; GUSEVIN, G.P.; TRAKHMAN, N.D.

Investigating the process of rolling wheels at the Nizhniy
Tagil metallurgical combine. Stal' 25 no.6:543-546. Ja '65.
(MIRA 18:6)

1. VUITI i Nizhne-Tagil'skiy metallurgicheskiy kombinat.

ROSHCHIN, A.M.; KAPLUN, S.M.; POPIRIN, L.S.

Problems in determining hydrodynamic parameters of water and
water vapor conditions in calculating with electronic computers.
Izv. SO AN SSSR no.6. Ser. tekhn. nauk no.2:72-79 '65.
(MIRA 18:11)

1. Irkutskiy energeticheskiy institut Sibirskogo otdeleniya
AN SSSR.

ROSHCHIN, A.N., inzh.; CHEMARIN, N.G., kand. tekhn. nauk

Hydromechanical pulsator for extraction towers. Khim. i nefte-
mashinostr. no.2:7-9 Ag '64 (MIRA 18:1)

ROSHCHIN, Aleksey Nikolayevich; GLINSKIY, S.P., red.

[Orientation in place] Orientirovanie na mestnosti.
Moskva, Nedra, 1964. 130 p. (MIRA 17:12)

ROSHCHIN, A.V., arkhitektor

Types of children's hospitals for noninfectious diseases.
Zdrav.Ros.Feder. 6 no.10:3-10 0 '62. (MIRA 16:4)
(CHILDREN—HOSPITALS)

ROSHCHIN, G.I., dotsent; BRYKSIN, V.I., inzh.

Methodology for the study of reducing gears with low-module gear wheels. Protez. i protezostr. no.10:115-120 '64.

(MIRA 18:12)

1. ISentral'nyy nauchno-issledovatel'skiy institut protezirovaniya i protezostroyeniya.

ROSHCHIN, G.I.

Method and apparatus for investigating the locomotion of normal men
and of people using artificial limbs. Trudy Sem. po teor.mash 15
no.59:57-71 '55. (MLRA 9:6)
(Artificial limbs--Testing) (Locomotion--Measurement)

POPOV, B.P., prof.; DIKKERT, G.A., inzh., red.; ABRIN, S.G., dotsent, red.; KOBRINSKIY, A.Ye., doktor tekhn.nauk, red.; MOLODAYA, Ye.K., prof., red.; ROSHCHIN, G.I., dotsent, red.; SLAVUTSKIY, Ya.L., kand.biolog.nauk, red.; SHENK, N.A., prof., red.

[What one should know about prosthesis] Chto muzhno znat' o protezirovani. Moskva, M-vo sots.obespecheniia RSFSR, 1959.
66 p. (MIRA 13:6)

(PROSTHESIS)

ROSHCHIN G.V.

* Collected Papers (Cont.)

SOV/4172

Orurk, I.A, and G.V. Roshchin. Static Stability of Parallel Operation of Synchronous Generators When the Excitation is Regulated Through the Derivatives of the Absolute Angle

107

The author compares regulation of the excitation through the derivatives of the absolute angle with regulation based on other parameters, such as the relative angles and currents. The analytical investigations are based on the Lebedev-Zhdanov method.

ELECTRIC MACHINERY CONSTRUCTION

Anempodistov, V.P. Modern Methods of Direct Cooling of Turbogenerators

118

The author considers the advantages of direct cooling of turbogenerator armature windings and describes ventilation diagrams. He concludes that direct cooling of winding copper makes it possible to increase the rated power of the turbogenerator without altering its dimensions.

* Sbornik rabot po voprosam elektromekhaniki vyp. 3: Energeticheskiye sistemy, elektromashinostroyeniye, elektricheskaya tyaga, avtomatizirovanny elektroprirod, avtomaticheskiye i telemekhanicheskiye sistemy, elektrosvarochnoye oborudovaniye
Moscow, Izd-vo AN SSSR, 1960, 314p.
publ. from Akad. nauk SSSR. Institut elektromekhaniki

ZUYKO, V. I.; ROSHCHIN, G. I., kand. tekhn. nauk

Study of hip stump pressure on the walls of the recipient cavity.
Ortop., travm. i protez. no.11:68-71 '61.

(MIRA 14:12)

1. Iz Tsentral'nogo instituta protezirovaniya i protezostroyeniya
(dir. - zasluzh. deyatel' nauki prof. B. P. Popov)

(AMPUTATION STUMP)

ORURK, I.A.; ZHEVERZHEYEV, V.F.; ROSHCHIN, G.V.

Equivalent representation of a group of synchronous generators
joint by transmission lines with a single machine using the
conditions of the similarity of oscillations. Sbor. rab. po
vop. elektromekh. no.6:132-146 '61. (MIRA 14:9)
(Electric power distribution--Models) (Electric generators)

ROSHCHIN, G.V.; ORURK, I.A.

Use of an electronic model for an equivalent representation of a complex system using the conditions of similarity of nonlinear oscillations. Sbor. rab. po vop. elektromekh. no.6:146-153 '61.
(MIRA 14:9)

(Electric power distribution) (Electric network analyzers)

L 9000-00 MW(1)/PWA(1)

ACC NR: AP5026553

SOURCE CODE: UR/0286/65/000/019/0101/0101

AUTHORS: Roshchin, G. V.; Simonovskiy, V. I.; Kuzovenkova, L. F.

ORG: none

TITLE: A random mode periodic oscillator with variable amplitude and frequency.
Class 42, No. 175317

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 101

TOPIC TAGS: self excited oscillation, oscillator, nonlinear oscillatory system, approximation method

ABSTRACT: This Author Certificate presents a generator of periodic random mode oscillations with variable amplitude and frequency, utilizing a method of dynamic compensation. The generator is designed to reduce the amount of equipment and to simplify the circuit. The oscillator contains an electronic integrator with a nonlinear feedback circuit in the form of dynamic elements. The dynamic elements consist of series-connected capacitors and diode switches for attaining piecewise linear approximations. The junction point between the diodes is connected to the inputs of the trigger. The output of the trigger is connected to the input of the integrator, thereby forming (together with the trigger) a closed selfexcited loop.

SUB CODE: 09/

SUBM DATE: 11Feb64

UDO: 681.142

Card 1/1

ROSHCHIN, G.V.; ORURK, I.A.; AKIMOVA, M.Ya.; REDKOVA, G.P.

Use of a specialized electronic network analyzer and digital computers in the study of processes in electric power systems. Sbor. rab.po vop.elektromekh.no.8:49-60 '63.

(MIRA 16:5)

(Electric network analyzers) (Electric power distribution)

ORURK, I.A.; ROSHCHIN, G.V.

Static stability in the parallel operation of synchronous generators
with excitation controlled by the derivative of the absolute angle.

Sbor.rab.po vop.elektromekh. no.3:107-117 '60. (MIRA 13:8)
(Electric generators)

ROSHCHIN, G.V.; AKIMOVA, M.Ya.

Specialized electronic analog computer for studying processes
in electric power systems. Sber. rab. po vop. elektromekh.
no.10:120-128 '63. (MIRA 17:8)

ROSHCHIN, I.

Mistnoe radioveshchanie v chastiaxh [Local radio broadcasting in military units]. Moskva, Voennoe izd-vo, 1953. 37 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 8 November 1953

N/5
238.4
.R8

ROSHCHIN, IVAN ILLARIONOVICH

Yestestvennonauchnaya Propaganda V Voyskakh (Popularizing Natural
science in the armed forces) Moskva, Voenizdat, 1957.

55 P. Illus.

"Literatura": P. 47-50.

ROSHCHIN, Ivan Illarionovich; KURGAN, V.G., podpolkovnik, red.; KONOVALOVA,
Ye.K., tekhn.red.

[Eternally in the ranks] Navechno v stroiu. Moskva, Voen.izd-vo
M-va obor.SSSR. Vol.2. 1959. 163 p. (MIRA 13:4)
(Heroes)

ROSHCHIN, I. L.

USSR (600)

Frost

New method for fighting spring frosts. Vin. SSSR 12, No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified

ROSHCHIN, I. L.

USSR 600

Viticulture

Maintaining the vineyard by means of green layers. Vin. SSSR no. 4, 1952

9. Monthly List of Russian Accessions, Library of Congress, _____ 195~~8~~⁹, Uncl.
2

ROSHCHIN, I.V.; YEFIMOV, N.A.; GORSHKOV, S.I.

[Studies on work hygiene and occupational pathology connected with the influence of physical factors in industry]
Issledovaniia po gigiene truda i profpatologii v sviazi s
vozdeistiem fizicheskikh faktorov v proizvodstve. Moskva,
Meditsina, 1964. 17 p. (MIRA 18:7)

CA ROSHCHIN, I. V.

15A

Industrial hygiene of DDT production. I. V. Roshchin. *Gigiena i Sanit.* 1949, No. 8, 21-6.—The common fault points are as follows: the site of opening of Cl cylinders for chlorination of EtOH, circulation system for chloral-EtOH, circulation system of ClPh, dumping site for the finished product and spent H₂SO₄. Concns. of PhCl much above permissible are to be found in almost all stages of operation. No permissible limits for chloral have been established; however, mouse expts. with 0.5-8.0 mg./l. concns. showed toxic manifestations, but translation to human subjects has not been made. It is suggested that 0.1 mg./l. should be the upper limit. Probably the figure should be 8-10 times smaller than the limits set for polychloroalkenes. G. M. Kosolapoff

Chem. Labor Hygiene, 1st Moscow Med. Inst.

Roshchin, I. V.

USSR/Medicine - Vanadium, Toxicity of

"Toxicological Characteristics of Industrial Vanadium Aerosols," I. V. Roshchin, Chair of Labor Hygiene, 1st Moscow Med Inst

Gig i San, No 11, pp 49-53 1952

To safeguard workers' health at USSR metallurgical plants, an analysis of the air in smelting shops was made according to the method of M. K. Berezova, Cand Biol Sci (Gig i San, No 7, 1951). Lab findings showed accumulation of vanadium particles in the atmosphere over electric furnaces used in Fe-V production. The particles came from the slag covering the molten mass. Vanadium pentoxide aerosols inhaled by white rats, showed highly toxic effects. It has been suggested that hygienic improvements of the working conditions in metallurgical shops be accomplished by: (1) reduction of the volatile properties of the alloy, (2) covering of dust-producing operations, and (3) installation of suction fans.

265 T 22

RCSHCIN, I. V.

Cand. Medical Sci.

"Data on the Characteristic of Vanadium as an Industrial Poison." Sub 14 May 51, First Moscow Order of Lenin Medical Inst.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

ROSHCHIN, I.; KRAPOTKINA, M., nauchnyy sotrudnik:

Hygiene in mining. Mast. ugl. 7 no.4:31 Ap '58.

(MIRA 11:4)

1. Rukovoditel' sektora Instituta sanitarii i gigiyeny imeni Erismana.
(for Roshchin).
2. Institut sanitarii i gigiyeny imeni Erismana (for
Roshchin).

(Miners--Diseases and hygiene)

ROSHCHIN, I.V.

Problems in the prevention of occupational diseases in the coal industry and tasks of the industrial sanitary inspection board.
Uch.zap.Mosk.nauch.-issl.inst.san. i gig.no.8:5-10'61.

(MIRA 16:7)

(COAL MINES AND MINING—HYGIENIC ASPECTS)

ROSHCHIN, I.V.; NIFONTOVA, M.V.; PROKHOROV, Yu.D.; BAGNOVA, M.D.; KUBLANOVA,
P.S.; ILYASOVA, S.V.; BULYCHEV, G.V.

Hygienic characteristics of the dust factor, and health of workers
engaged in cleaning boilers of electric stations. Uch.zap.Mosk.
nauch.-issl.inst.san.i gig. no.8:64-70'61. (MIRA 16:7)
(LUNGS—DUST DISEASES) (BOILERS)

ROSHCHIN, I.V.

Hygienic characteristics of aerosols in Bessemer production.
Uch.zap.Mosk.nauch.-issl.inst.san.i gig. no.8:75-78'61.

(MIRA 16:7)

(BESSEMER PROCESS—HYGIENIC ASPECTS)

ROSHCHIN, I. V. (Moskva)

Effect on the organism by dust of rare earth fluorides. Gig. truda
i prof. zab. 5 no.7:41-43 J1 '61. (MIRA 15:7)

1. I Moskovskiy ordena Lenina meditsinskiy institut imeni
Sechenova.

(RARE EARTH FLUORIDES--PHYSIOLOGICAL EFFECT)

BORISENKOVA, R.V., kand.med.nauk; KOSHCHIN, I.V., dotsent.; TIMOKHIN, D.I.,
kand.med.nauk

Some problems in industrial hygiene related to the mechanization of
operations in the coal industry. Gig. i san. 26 no.11:24-29 N '61.

(MIRA 14:11)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny
imeni F.F.Erismana Ministerstva zdravookhraneniya RSFSR.
(COAL MINES AND MINING--HYGIENIC ASPECTS)

ROSHCHIN, I.V. (Moskva)

Hazards of occupational poisoning by vanadium in cleaning
boilers of electric power stations operating on petroleum
and problems of its prevention. Gig. truda i prof. zab. 6
no.5:17-22 My'62. (MIRA 16:8)

1. Moskovskiy nauchno-issledovatel'skiy institut gigiyeny
imeni F.F.Erismana.

(VANADIUM--TOXICOLOGY)
(PETROLEUM AS FUEL--HYGIENE ASPECTS)

ROSHCHIN, I.V., dotsent

Problems in rural hygiene (International Symposium in Poland).
Gig. i san. 27 no.3:85-88 Mr '62. (MIRA 15:4)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny
imeni F.F.Erismana Ministerstva zdravookhraneniya RSFSR.
(PUBLIC HEALTH, RURAL—CONGRESSES)

ROSHCHIN, I.V., dots.; SHITSKOVA, A.P., otv. red.

[Periodical and preliminary medical examinations of workers exposed to the effect of vanadium compounds; a methodological manual] Periodicheskie i predvaritel'-nye meditsinskie osmotry rabochikh, podvergaiushchikhsia vo-deistviu soedinenii vanadiia; metodicheskoe posobie. Moskva, 1964. 18 p. (MIRA 18:12)

1. Moscow. Nauchno-issledovatel'skiy institut gigiyeny.

ROSHCHIN, I. V.

I. V. Roshchin, Ed., Professor

Toxicologiya redkikh metallov (Toxicology of Rare Metals) Moscow, Medgiz, 1963. 335 p. 1500 copies printed.

Ed.: R. S. Khamidullin; Tech. Ed.: Yu. S. Bel'chikova.

PURPOSE: To provide information on the toxic effects of rare metals.

SCOPE: The chemistry and industrial applications of rare metals and their aerosols are discussed. The clinical picture and pathology of rare-metal poisonings is also given. There are 307 references.

CONTENTS: Experimental Studies of the Effects on an Organism of Industrial Dust of Mixed Composition Containing Rare and Other Metals and their Compounds.

1. Industrial dust from ore concentrates. O. Ya. Mogilevskaya	209
2. Industrial dusts at powder-metallurgy plants (hard alloys). Z. S. Kaplun (Deceased) and N. V. Mezentsova	227
3. Dust of metallurgical (Bessemer) slags. I. V. Roshchin	238
4. Industrial dust from copper ores. Kim Tai-in	245
5. Industrial dust from luminophores. E. I. Gol'dman et al	249
6. Dust of new thermoresistors (chrome-magnesium and magnesiochromite). T. A. Roshchina	265
7. Dust in the production of tin. M. I. Kalebnikova	278

ROSHCHIN, I. V. PHASE I BOOK PRESENTATION

Roshchin, Z. I., Ed., Professor

Toxicologiya redkikh metallov (Toxicology of Rare Metals), Moscow, Medgiz, 1963. 335 p. 1500 copies printed.

R. S. Khamidullin; Tech. Ed.: Yu. S. Bel'chikova.

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Experimental Studies of the Effect on an Organism of Rare, Dispersed, and Other Metals Used in Industry and Their Compounds.

1. Molybdenum.	O. Ya. Mogilevskaya	20
2. Tungsten.	N. N. Mezentseva	27
3. Bismuth.	N. V. Mezentseva et al	58
4. Zirconium.	O. Ya. Mogilevskaya	71
5. Vanadium.	I. V. Roshchin	82
6. Tantalum.	Yu. L. Yegorov	95
7. Niobium.	Yu. L. Yegorov	110
8. Tellurium.	S. E. Sandrovskaya	117
9. Cadmium and its compounds.	S. Vorob'yeva.	135

ROSHCHIN, K.A., inzh.; SENDEROV, Ye.N., inzh.

The TK- 7,5 erecting crane. Stroi. i dor. mash. 9
no.6:8-10 Je '64.

(MIRA 18:11)

S/100/60/000/003/003/003
A053/A026

AUTHORS: Amstislavskiy, A.Z.; Brovkin, A.A.; Roshchin, K.A.; Engineers

TITLE: Crane for Building Ramps and Bridges

PERIODICAL: Mekhanizatsiya Stroitel'stva, 1960, No. 3, pp. 17 - 19

TEXT: The article describes the original design of a special crane for the assembly of large ramps, bridges, etc, by army engineer method, with the crane using the assembled structure as basis for moving forward and continuing assembly work in front. On the occasion of the building of the Bratskaya Ges (Bratsk Hydroelectric Power Plant) a group of specialists of Gidrostal'proyekt proposed a special 80/30 ton crane, (Patent No. 121924) in which the turning boom is replaced by an extended gantry which, mounted at a certain angle, projects out sufficiently far to operate the hoisting mechanism, which consists of a rigid suspension arm over which is fixed a suspension bracket with a triple hoisting tackle, suspended by means of two side-pulley blocks to the upper cross bar of the inclined gantry. By simultaneous change in length of the side-pulley blocks the transversal movement of the suspension bracket and, consequently, of the suspended load is brought about. The carrying part of the body of the crane is made up by 2 girders of a

Card 1/4

Crane for Building Ramps and Bridges

S/100/60/000/003/003/003
A053/A026

30 m span, 7.6 m high, joined at the top by cross bars and diagonal ties. The cross section of the body represents a gantry with a span of 18.72 m and 10.17 m high, which permits 4 RR tracks to pass underneath. The stands of the body are mounted on wheels, by which the crane moves. On top the stands are joined by cross bars, thus forming solid frames. The gantry of the main lift (80 ton capacity) consists of an inclined frame, 19.62 m high and 18.72 m wide, hinged at the lower end to the cantilever fixed at the end of the body and held at the top by 2 chain ties. The angle of incline of the main lift gantry is 30° which brings the point of suspension to a distance of 27 m from the axis of the front bogies. The gantry of the auxiliary lift (30 ton capacity) constitutes a similar frame 26.05 m high with 2 tie beams and a cross bar at the top. The angle of incline of this gantry is 36° which places the point of suspension at a distance of 49 m. The mechanism of the main lift and of the transversal movement of load consists of 3 pulley blocks of 13 threads and 80-ton hoisting capacity each. Two blocks serve for the transversal movement and one for the load lift. In order to synchronize the work of the side-pulley blocks, the threads are running over one drum divided in two parts, driven by one 8.5-ton capstan. The mechanism of the auxiliary lift is of the same design as that of the main lift with the only difference that the thread of the load lifting block passes through two 5-ton capstans, in order to increase

Card 2/4

Crane for Building Ramps and Bridges

S/100/60/000/003/003/003
A053/A026

the speed for covering greater distance. The counterweight (220 tons) consists of 8 reinforced concrete slabs 750 x 750 mm and 20 m long. The moving mechanism of the crane consists of 4 twin-wheel bogies equipped with electric driving gear, the track is 18.7 m wide. One of the great advantages of this crane consists in the transversal movement of the load which takes place on a vertical plane all the way, perpendicularly to the longitudinal axis of the ramp under construction. The described crane, which has been produced by the Dneprovskiy mek'richeskiy zavod (Dneprovsk. Mechanical Plant) in Zaporozh'ye is used in the construction of a concrete delivering ramp of the Bratsk Hydroelectrical Power Plant having sectional spans of 44 m and using structural elements weighing up to 80 tons. The technical characteristics of the crane are given as follows: Lifting capacity of main lift at a distance of 27 m - 80 tons; lifting capacity of auxiliary lift at 49 m distance - 30 tons; maximum height of lift of main suspension bracket - 6 m above rail level; maximum depth of descent of main suspension bracket - 15 m below rail level; lifting of suspension bracket 1 m/min; speed of transversal movement of main suspension bracket - 1.5 m/min; The same data for the auxiliary suspension bracket are: maximum lift over rail level - 15 m; maximum depth of descent - 80 m; speed of lift 7m/min; speed of transversal movement - 5.5 m/min. Speed of crane movement 9.15 m/min; full weight of crane 571 tons. There are 1

Card 3/4